

RTi S E R I E S

RTi12

Floorstanding Loudspeaker

RTi10

Floorstanding Loudspeaker

RTi8

Floorstanding Loudspeaker

RTi6

Bookshelf Loudspeaker

RTi4

Bookshelf Loudspeaker

**Owner's
Manual**

polkaudio
the speaker specialists®

FEATURES OF THE RTi TOWERS AND BOOKSHELF LOUDSPEAKERS:

- Acoustically inert 3/4" MDF cabinets, finished in Cherry wood or Black Oak veneers.
- **Dynamic Balance®** polymer composite drivers for smooth wide-range response with low distortion.
- **PowerPort** bass venting (RTi/8) & **PowerPort Plus** bass venting (RTi/10 & RTi/12) for superior clean, low distortion bass that you can really feel.
- **Acoustic Resonance Control™ (ARC Port)** technology in the RTi/12 for more natural midrange reproduction.
- 1" silk dome tweeters with neodymium magnets for clear, detailed highs.
- RTi/10 & RTi/12 tower models feature combined sets of 7" woofers. This allows for the surface area of large woofers, but the action of small woofers for a high force-to-mass ratio—bass response is tighter, punchier, more accurate.
- PowerPort vent, on bookshelf speaker models, doubles as a strong, built-in wall-mounting bracket for easy, safe placement.
- Butyl rubber surrounds for high performance durability.
- Acoustically inert stamped driver baskets.
- Anti-diffraction grilles minimize grille diffraction for spacious, 3-dimensional imaging.
- Magnetic shielding for safe placement near video sources.
- Mylar bypass capacitors in the crossovers extend high frequency response and improve detail and transparency.
- Dual, bi-ampable gold-plated 5-way binding post inputs (with large diameter holes for large-gauge bare wire connections) for the most secure connections and the most versatile wiring applications.
- Tower models feature adjustable leveling feet in an outrigger base to provide stability on any type of flooring.
- Timbre-matched to fit into any Polk Audio home theater or multi-channel music system for a more realistic, more seamless surround sound environment.

SAFE LIMITS OF OPERATION

Your Polk Audio Loudspeakers are constructed of the highest quality materials for years of trouble-free performance. However, damage to loudspeakers can occur when an amplifier, regardless of its wattage, is made to play at higher listening levels than its power can clearly produce. This is usually beyond the "noon or 1 o'clock" position on the volume control. Operation at this level can result in very high levels of audible distortion originating in the amplifier, which can add a harsh, gritty sound to your listening material. If you hear distortion, TURN IT DOWN. Contrary to popular belief, a speaker is more likely to be damaged by trying to get too much volume from a low-powered amplifier or receiver than from a high-powered one.

TECHNICAL ASSISTANCE OR SERVICE

If, after following the hookup directions, you experience difficulty, please double-check all wire connections. Should you isolate the problem to the speaker, contact the authorized Polk Audio dealer where you made your purchase, or contact **Polk Audio Customer Service 800-377-7655** (M-F, 9-6 EST, US & Canada only) or via email **polkcs@polkaudio.com**. Outside the US & Canada, call 410-358-3600.

More detailed information—including audio how-to articles, FAQs, and online manuals—is available on our award-winning website **www.polkaudio.com/home**.

BUY DIRECT FROM POLK AUDIO

We can recommend a slew of audiophile accessories to help you get more performance from your system. For high quality speaker stands that match our speaker finishes, wall-mount brackets, system enhancing accessories, exclusive Polk Audio logowear and more, visit our WebStore: **<http://shop.polkaudio.com>**.

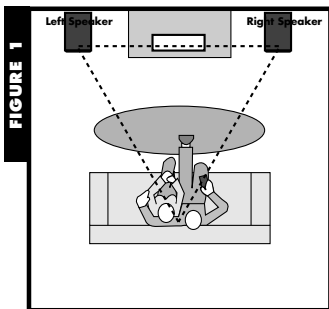


FIGURE 1

Create an equilateral triangle between the speakers and the listening position. RTi Series Loudspeakers are magnetically shielded for safe placement near TV or video monitors. If you notice video distortion or discoloration, immediately move the speakers away from the video source and call Polk Audio Customer Service 800-377-7655 (US and Canada) or polkcs@polkaudio.com. Haga un triángulo equilátero con los altavoces y la posición de audición. Polk Audio: 410-358-3600.

Créez un triangle équilatéral entre les enceintes et la position d'écoute. Polk Audio: 410-358-3600.

Bilden Sie ein Dreieck zwischen den Lautsprechern und Ihrer Hörposition. Polk Audio: 410-358-3600.

Disponete ai vertici di un triangolo equilatero i due diffusori acustici, sinistro e destro, e il punto d'ascolto ottimale. I diffusori RTi hanno altoparlanti con magneti schermati e si possono avvicinare tranquillamente a televisori e monitor. Se notate immagini distorte o alterazioni dei colori, allontanateli subito dallo schermo video e contattate il nostro Client Care Center: 410-358-3600 o polkcs@polkaudio.com.

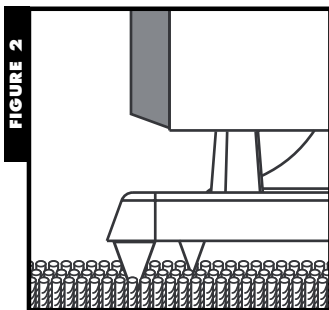


FIGURE 2

Spike feet for stability on carpet or hard floors.

Use púas para estabilizar en una alfombra.

Pour plus de stabilité sur tapis, utilisez les pieds.

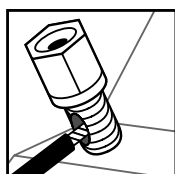
Für Stabilität auf Teppich Gebrauch Füße.

Per la stabilità sulla moquette, usate i piedi.



FIGURE 3

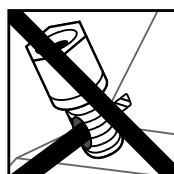
Loosen hex nut
Desenrosque parcialmente la tuerca hexagonal
Desserrer l'écrou
Sechskantmutter lösen
Allentate il dado esagonale



Insert speaker wire through hole
Inserte el alambre para la bocina en el orificio
Insérer le fil du haut-parleur dans le trou
Lautsprecher-Draht durch das Loch schieben
Inserite nel foro i conduttori del cavo per altoparlanti



Tighten hex nut
Enrosque la tuerca de nuevo
Serrer l'écrou
Sechskantmutter festschrauben
Stringete il dado esagonale



Do not insert insulated section of speaker wire
No inserte alambre con material aislante
Ne pas insérer la partie isolée du fil du haut-parleur
Isolation des Lautsprecher-Drahtes nicht in das Loch schieben
Non inserite nel foro una porzione di cavo isolato

FIGURE 3

Using binding post connections.

Uso de conexiones con tornillos de presión.

Utilisation des bornes de branchement.

Verwendung von Anschlussklemmen.

Uso dei morsetti a vite.

**To use Banana Plugs
(US only):**

Carefully pry out the binding post plugs to expose banana plug holes.

(This is for US owners only.)

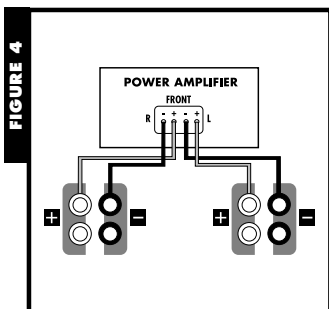


FIGURE 4

Basic Hook-up, recommended for most systems.
BASS MANAGEMENT SETTINGS: Front = Large

Recomendada para la mayoría de los sistemas.

PARÁMETROS DE CONTROL DE BAJAS FRECUENCIAS: Front = Grande (Large)

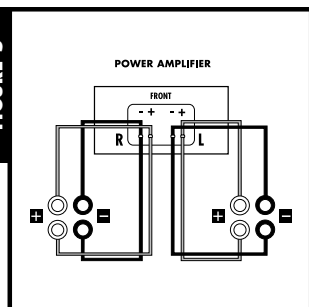
Recommandée pour la plupart des systèmes.

Réglages: (Bass Management Settings) Front (avant) = Large

Empfohlen für die meisten Lautsprecher.

EINSTELLUNG DER TIEFENTONLAGEN: Vorne = Groß

POWER AMPLIFIER = amplificatore finale, integrato, o sintonificatore
Schema di base per il collegamento dei diffusori acustici RTi.

FIGURE 5**FIGURE 5**

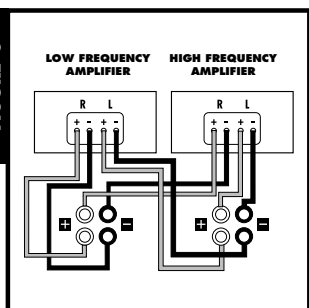
Bi-wiring, or using separate speaker wire connections for high and low frequency sections. Remove flat metal jumpers.

Bicableado, o uso de conexiones de cables de altavoz separadas para las secciones de alta y baja frecuencia.

Bi-câblage: l'utilisation de câbles distincts pour brancher les composantes des hautes et des basses fréquences de vos enceintes.

Verwendung von unterschiedlichen Kabelverbindungen für hohe und niedrige Frequenzen.

POWER AMPLIFIER = amplificatore finale, integrato, o sintoamplificatore.
 Schema di collegamento mediante due cavi separati ("bi-wiring"): ciascuna delle due sezioni, passa-alto (alte frequenze) e passa-basso (basse frequenze), del filtro d'incrocio del CSI40 è collegata all'amplificatore mediante un cavo dedicato.

FIGURE 6**FIGURE 6**

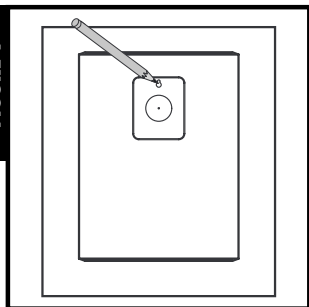
Bi-amping, or using separate amplifiers for the low and high frequency sections of your speakers. Remove flat metal jumpers.

Bi-amplificación, o uso de amplificadores separados para las secciones de baja y alta frecuencia de los altavoces.

Bi-amplification: l'utilisation d'amplis distincts pour alimenter les composantes des hautes et des basses fréquences de vos enceintes.

Verwendung von unterschiedlichen Verstärkern für niedrige und hohe Frequenzen der Lautsprecher.

LOW FREQ. AMPLIFIER = amplificatore finale per la sezione bassi
HIGH FREQ. AMPLIFIER = amplificatore finale per la sezione alti
 Schema di collegamento a due amplificatori separati ("bi-amping," doppia amplificazione): uno dedicato alla sezione passa-alto (alte frequenze), l'altro a quella passa-basso (basse frequenze) del filtro d'incrocio del CSI40. Notate che i morsetti superiori del diffusore acustico appartengono alla sezione alte frequenze del filtro (ndt.).

FIGURE 7**FIGURE 7**

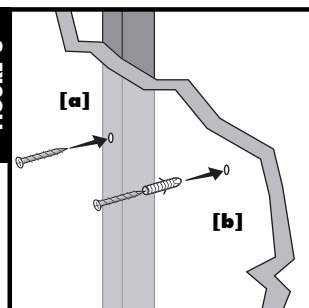
Use template to mark mounting location.

Use la plantilla para marcar la ubicación de montaje.

Utilisez le gabarit pour marquer le lieu de fixation.

Verwenden Sie die Schablone zur Markierung der Befestigungsstelle.

Usate la dima per segnare il punto d'installazione.

FIGURE 8**FIGURE 8a & 8b**

Use #10 screw for wall stud (8a), use #10 wall anchors + screw for no wall stud (8b).

Use un tornillo n° 10 si hay parales internos en la pared, use anclas de pared n° 10 y un tornillo si no hay.

Utilisez des vis #10 pour fixation sur montant ou des chevilles d'ancrage #10 avec vis s'il n'y a pas de montant.

Verwenden Sie eine Schraube (Nr. 10) für Wände mit Holzstielverstärkung bzw. Dübel und Schrauben (Nr. 10) für Wände ohne Holzstielverstärkung.

In corrispondenza di un montante (a) usate viti n. 10, altrimenti (b) tasselli e viti n. 10.

FIGURE 9

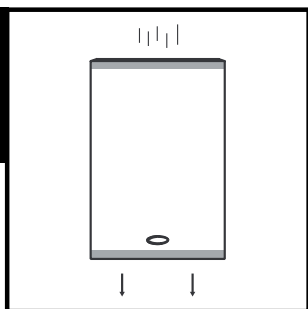


FIGURE 9

Slide the speaker down on the screw heads to catch the keyhole slots.

Deslice el altavoz hacia abajo sobre las cabezas de los tornillos para que entren en las ranuras en forma de cerradura.

Glissez l'enceinte sur les têtes de vis jusqu'à ce que les encoches en trou de serrure s'enclenchent.

Schieben Sie den Lautsprecher auf die Schraubköpfe herunter, so dass sie in den Ritzen einrastet.

Fate scivolare verso il basso il diffusore acustico, in modo tale che le feritoie si aggancino alle teste delle viti.

FIGURE 10

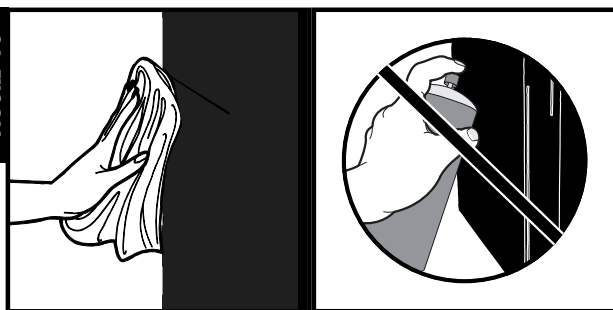


FIGURE 10

Clean veneer with a damp cloth.

Do not use furniture polish on veneer.

Cuidado del acabado de madera natural.

Entretien de la finition en bois véritable.

Pflege der Holzappretur.

Non impiegate prodotti lucidanti per mobili sulla finitura, ma spolveratela soltanto con un panno umido.

SPECIFICATIONS

RTi1 2

DRIVER COMPLEMENT:

- 2 - 5 1/4"(13.3cm) drivers
- 1 - 1"(2.5cm) tweeter
- 3 - 7"(17.8cm) woofers

OVERALL

FREQUENCY RESPONSE:

18Hz-27kHz

-3dB LIMITS:

30Hz-26kHz

RECOMMENDED

AMPLIFICATION:

50-500 watts/channel

EFFICIENCY (1M,1W):

90dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

woofer/mid: 120Hz
mid/tweeter: 1.8kHz

CROSSOVER SLOPE:

woofer LP: 12dB/octave
mid bass LP: 12dB/octave (cascaded)
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

woofers: vented (PowerPort *Plus*)
midbass: sealed midrange sub-enclosure

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS

(INCLUDES GRILLE + POWERPORT):

50 1/8"H x 7 3/4"W x 21"D
(127.3cmH x 19.7cmW x 53.3cmD)

SHIPPING WEIGHT:

88 lbs (39.9kg) each

RTi1 0

DRIVER COMPLEMENT:

- 1 - 6 1/2"(16.5cm) driver
- 1 - 1"(2.5cm) tweeter
- 2 - 7"(17.8cm) woofers

OVERALL

FREQUENCY RESPONSE:

20Hz-27kHz

-3dB LIMITS:

35Hz-26kHz

RECOMMENDED

AMPLIFICATION:

20-300 watts/channel

EFFICIENCY (1M,1W):

89dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

woofer/mid: 125Hz
mid/tweeter: 2.7kHz

CROSSOVER SLOPE:

woofer LP: 12dB/octave
mid bass LP: 12dB/octave
tweeter HP: 18dB/octave

ENCLOSURE TYPE:

vented with PowerPort *Plus* & ARC Port

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS

(INCLUDES GRILLE + POWERPORT):

43 5/8"H x 7 3/4"W x 17 1/2"D
(110.8cmH x 19.7cmW x 44.5cmD)

SHIPPING WEIGHT:

66 lbs (29.9kg) each

RTi8

DRIVER COMPLEMENT:

- 2 - 6 1/2"(16.5cm) drivers
- 1 - 1"(2.5cm) tweeter

OVERALL

FREQUENCY RESPONSE:

30Hz-27kHz

-3dB LIMITS:

40Hz-26kHz

RECOMMENDED

AMPLIFICATION:

20-250 watts/channel

EFFICIENCY (1M,1W):

90dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

2.2kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 18dB/octave

ENCLOSURE TYPE:

vented with rear
PowerPort & ARC Port

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS

(INCLUDES GRILLE + POWERPORT):

41 5/8"H x 7 3/4"W x 15 1/2"D
(105.7cmH x 19.7cmW x 39.4cmD)

SHIPPING WEIGHT:

55 lbs (24.9kg) each

All specifications subject to change.

RTi6

DRIVER COMPLEMENT:

- 1 - 6 1/2"(16.5cm) driver
- 1 - 1"(2.5cm) tweeter

OVERALL

FREQUENCY RESPONSE:

40Hz-27kHz

-3dB LIMITS:

50Hz-26kHz

RECOMMENDED

AMPLIFICATION:

20-125 watts/channel

EFFICIENCY (1M,1W):

89dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

2.8kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented with PowerPort & ARC Port

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS

(INCLUDES GRILLE + POWERPORT):

14 3/4"H x 7 3/4"W x 14 1/4"D
(37.5cmH x 19.7cmW x 36.2cmD)

SHIPPING WEIGHT:

42.5 lbs (19.3kg) pair

RTi4

DRIVER COMPLEMENT:

- 1 - 5 1/4"(13.3cm) driver
- 1 - 1"(2.5cm) tweeter

OVERALL

FREQUENCY RESPONSE:

50Hz-27kHz

-3dB LIMITS:

60Hz-26kHz

RECOMMENDED

AMPLIFICATION:

20-125 watts/channel

EFFICIENCY (1M,1W):

89dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

1.9kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented with PowerPort and ARC Port

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS

(INCLUDES GRILLE + POWERPORT):

12"H x 7"W x 11 1/2"D
(30.5cmH x 17.8cmW x 29.2cmD)

SHIPPING WEIGHT:

29 lbs (13.2kg) pair

LIMITED FIVE YEAR WARRANTY

Polk Audio, Inc., warrants to the original retail purchaser only. This warranty will terminate automatically prior to its stated expiration if the original retail purchaser sells or transfers the Product to any other party.

Polk Audio, Inc., warrants, to the original retail purchaser only, that the LOUDSPEAKER(S), PASSIVE CROSSOVER COMPONENT(S) and ENCLOSURE on this Polk Audio Loudspeaker Product will be free from defects in material and workmanship for a period of five (5) years from the date of original retail purchase from a Polk Audio Authorized Dealer.

Furthermore, Polk Audio, Inc., warrants, to the original retail purchaser only, that any AMPLIFIER OR OTHER ELECTRONIC COMPONENT that may be included in this Polk Audio Loudspeaker Product will be free from defects in material and workmanship for a period of three (3) years from the date of original retail purchase from a Polk Audio Authorized Dealer.

To allow Polk Audio to offer the best possible warranty service, please register your new product online at: www.polkaudio.com/registration or call Polk customer service 800-377-7655 in the USA and Canada (outside the USA: 410-358-3600) within ten (10) days of the date of original purchase. Be sure to keep your original purchase receipt.

Defective Products must be shipped, together with proof of purchase, prepaid insured to the Polk Audio Authorized Dealer from whom you purchased the Product, or to the Factory at 2550 Britannia Boulevard, Suite D, San Diego, California 92154. Products must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If upon examination at the Factory or Polk Audio Authorized Dealer it is determined that the unit was defective in materials or workmanship at any time during this Warranty period, Polk Audio or the Polk Audio Authorized Dealer will, at its option, repair or replace this Product at no additional charge, except as set forth below. All replaced parts and Products become the property of Polk Audio. Products replaced or repaired under this warranty will be returned to you, within a reasonable time, freight prepaid.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defect in materials or workmanship, or service, repair, or modification of the Product which has not been authorized or approved by Polk Audio. This warranty shall terminate if the Serial number on the Product has been removed, tampered with or defaced.

This warranty is in lieu of all other expressed Warranties. If this Product is defective in materials or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will Polk Audio, Inc. be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if Polk Audio, Inc. or a Polk Audio Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you.

All implied warranties on this Product are limited to the duration of this expressed Warranty. Some states do not allow limitation on how long an implied Warranty lasts, so the above limitations may not apply to you. This Warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

This Warranty applies only to Products purchased in Canada, the United States of America, its possessions, and U.S. and NATO armed forces exchanges and audio clubs.

The Warranty terms and conditions applicable to Products purchased in other countries are available from the Polk Audio Authorized Distributors in such countries.



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